RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _/0/535,433A_
Source: _/FwP_
Date Processed by STIC: _8/2/06_

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IFWP

RAW SEQUENCE LISTING   DATE: 08/02/2006
PATENT APPLICATION: **US/10/535,433A**   TIME: 08:43:29

Input Set : **A:\2006-01-30 1009-0118PUS1.ST25.txt**
Output Set: **N:\CRF4\08022006\J535433A.raw**

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 3 <110> APPLICANT: FRIGERIO, Lorenzo et al.
 5 <120> TITLE OF INVENTION: ANTIBODIES
 7 <130> FILE REFERENCE: 1009-0118PUS1
 9 <140> CURRENT APPLICATION NUMBER: US 10/535,433A
10 <141> CURRENT FILING DATE: 2005-05-18
12 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/004983
13 <151> PRIOR FILING DATE: 2002-11-18
15 <150> PRIOR APPLICATION NUMBER: GB0226878.7
16 <151> PRIOR FILING DATE: 2002-11-18
18 <160> NUMBER OF SEQ ID NOS: 72
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 6
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (1)..(1)
33 <223> OTHER INFORMATION: Asn, His or Leu
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (2)..(2)
38 <223> OTHER INFORMATION: Val or Tyr
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <222> LOCATION: (3)..(3)
43 <223> OTHER INFORMATION: Ser or Asn
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: (6)..(6)
48 <223> OTHER INFORMATION: An aliphatic amino acid, especially Val or Leu
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52 Xaa Xaa Xaa Val Ser Xaa
53 1               5
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
64 <400> SEQUENCE: 2
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W--> at line 52

RAW SEQUENCE LISTING   DATE: 08/02/2006
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Input Set : A:\2006-01-30 1009-0118PUS1.ST25.txt
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        67 1                 5
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W--> 71 <400> SEQUENCE: 3
W--> 72 000
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        76 <211> LENGTH: 6
        77 <212> TYPE: PRT
        78 <213> ORGANISM: Artificial sequence
        80 <220> FEATURE:
        81 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
        84 <220> FEATURE:
        85 <221> NAME/KEY: misc_feature
        86 <222> LOCATION: (1)..(1)
        87 <223> OTHER INFORMATION: Asn, His or Leu
        89 <220> FEATURE:
        90 <221> NAME/KEY: misc_feature
        91 <222> LOCATION: (2)..(2)
        92 <223> OTHER INFORMATION: Val or Tyr
        94 <220> FEATURE:
        95 <221> NAME/KEY: misc_feature
        96 <222> LOCATION: (3)..(3)
        97 <223> OTHER INFORMATION: Ser or Asn
        99 <220> FEATURE:
       100 <221> NAME/KEY: misc_feature
       101 <222> LOCATION: (6)..(6)
       102 <223> OTHER INFORMATION: Any aliphatic amino acid
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       106 1                 5
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       110 <211> LENGTH: 18
       111 <212> TYPE: PRT
       112 <213> ORGANISM: Artificial sequence
       114 <220> FEATURE:
       115 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
       118 <220> FEATURE:
       119 <221> NAME/KEY: misc_feature
       120 <222> LOCATION: (3)..(3)
       121 <223> OTHER INFORMATION: Asn, His or Leu. Preferably Asn
       123 <220> FEATURE:
       124 <221> NAME/KEY: misc_feature
       125 <222> LOCATION: (4)..(4)
       126 <223> OTHER INFORMATION: Val or Tyr, preferably Val
       128 <220> FEATURE:
       129 <221> NAME/KEY: misc_feature
       130 <222> LOCATION: (5)..(5)
       131 <223> OTHER INFORMATION: Ser or Asn
       133 <220> FEATURE:
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135 <222> LOCATION: (8)..(8)
136 <223> OTHER INFORMATION: An aliphatic amino acid, preferably Val or Leu
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (9)..(9)
141 <223> OTHER INFORMATION: An aliphatic amino acid, preferably Ile, Val or Leu
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (10)..(10)
146 <223> OTHER INFORMATION: Met, Val or Leu, preferably Met
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (11)..(11)
151 <223> OTHER INFORMATION: Ser or Ala
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (12)..(12)
156 <223> OTHER INFORMATION: Asp or Glu
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (13)..(13)
161 <223> OTHER INFORMATION: Any amino acid, preferably Gly, Val, Ala or Thr
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (14)..(14)
166 <223> OTHER INFORMATION: Asp, Glu, Gly, or Ala, preferably Asp
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (15)..(15)
171 <223> OTHER INFORMATION: Gly or Ser, preferably Gly
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (16)..(16)
176 <223> OTHER INFORMATION: Ile, Thr, Val, Glx or Ala, preferably Ile or Thr
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (18)..(18)
181 <223> OTHER INFORMATION: May be present or absent. When present, it is Ala or Tyr.
Most
182         preferably Ala.
184 <400> SEQUENCE: 5
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187 1               5                   10                  15
190 Cys Xaa
194 <210> SEQ ID NO: 6
195 <211> LENGTH: 6
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial sequence
199 <220> FEATURE:
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200 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (1)..(1)
206 <223> OTHER INFORMATION: Asn, His or Leu
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (2)..(2)
211 <223> OTHER INFORMATION: Val or Tyr
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (3)..(3)
216 <223> OTHER INFORMATION: Ser or Asn
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (6)..(6)
221 <223> OTHER INFORMATION: Aliphatic amino acid
223 <400> SEQUENCE: 6
225 Xaa Xaa Xaa Val Ser Xaa
226 1               5
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230 <211> LENGTH: 28
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
237 <400> SEQUENCE: 7
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240 1               5                   10                  15
243 Thr Ile Asp Arg Leu Ser Gly Lys Pro Ala Cys Tyr
244             20                  25
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248 <211> LENGTH: 30
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
255 <400> SEQUENCE: 8
257 Ser Cys Met Val Gly His Glu Ala Leu Pro Met Asn Phe Thr Gln Lys
258 1               5                   10                  15
261 Thr Ile Asp Arg Leu Ser Gly Lys Pro Ala Ala Ala Cys Tyr
262             20                  25                  30
265 <210> SEQ ID NO: 9
266 <211> LENGTH: 38
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
273 <400> SEQUENCE: 9
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W--> (line 225)

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275 Ser Cys Met Val Gly His Glu Ala Leu Pro Met Asn Phe Thr Gln Lys
276 1               5                   10                  15
279 Thr Ile Asp Arg Leu Ser Gly Lys Pro His Ala Ser Thr Pro Glu Pro
280             20                  25                  30
283 Asp Pro Val Ala Cys Tyr
284         35
287 <210> SEQ ID NO: 10
288 <211> LENGTH: 27
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Synthetic oligonucleotide
295 <400> SEQUENCE: 10
296 ccatcgatgg aatggacctg ggttttt                                    27
299 <210> SEQ ID NO: 11
300 <211> LENGTH: 27
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic oligonucleotide
307 <400> SEQUENCE: 11
308 ccctctagac tagtagcata ggccatc                                    27
311 <210> SEQ ID NO: 12
312 <211> LENGTH: 31
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic oligonucleotide
319 <400> SEQUENCE: 12
320 actgtagaca attccgccac ctcagcctac a                               31
323 <210> SEQ ID NO: 13
324 <211> LENGTH: 31
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Synthetic oligonucleotide
331 <400> SEQUENCE: 13
332 tgtaggctga ggtggcggaa ttgtctacag t                               31
335 <210> SEQ ID NO: 14
336 <211> LENGTH: 32
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Synthetic oligonucleotide
343 <400> SEQUENCE: 14
344 gagcagctca acagcgtttt ccgctcagtc ag                              32
347 <210> SEQ ID NO: 15
348 <211> LENGTH: 32
349 <212> TYPE: DNA
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/02/2006
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,6
Seq#:4; Xaa Pos. 1,2,3,6
Seq#:5; Xaa Pos. 3,4,5,8,9,10,11,12,13,14,15,16,18
Seq#:6; Xaa Pos. 1,2,3,6

VERIFICATION SUMMARY   DATE: 08/02/2006
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L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:71 M:283 W: Missing Blank Line separator, <400> field identifier
L:72 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (3) SEQUENCE:
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0